

Alignment for A30325 w/Seg ID NO 173

ALIGNMENTS

RESULT 1

A30325
membrane alanyl aminopeptidase (EC 3.4.11.2) precursor - human
N:Alternate names: aminopeptidase N; cell surface glycoprotein CD13
C:Species: Homo sapiens (man)
C:Date: 02-Feb-1990 #sequence_revision 02-Feb-1990 #text_change 01-Feb-2002
C:Accession: A30325; S01658; I39442; S35688; S56099
R:Look, A.T.; Ashmun, R.A.; Shapiro, L.H.; Feilper, S.C.
J. Clin. Invest. 83, 1299-1307, 1989
A:Title: Human myeloid plasma membrane glycoprotein CD13 (gp150) is identical to aminopeptidase N
A:Reference number: A30325; MUID:89198086
A:Accession: A30325
A>Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-967 <LOO>
A:Cross-references: GB:M22324; NID:g178535; PIDN:AAA51719.1; PID:g178536
R:Olsen, J.; Cowell, G.M.; Konigshofer, E.; Danielson, E.M.; Moller, J.; Laustsen, L.; H
FEBS Lett. 238, 307-314, 1988
A:Title: Complete amino acid sequence of human intestinal aminopeptidase N as deduced fr
A:Reference number: S01658; MUID:89005706
A:Accession: S01658
A:Molecule type: mRNA
A:Residues: 1-85, 'R', '87-535, 'E', '537-602, 'M', '604-886, 'P', '888-967 <OLS>
A:Cross-references: EMBL:X13276
R:Shapiro, L.H.; Ashmun, R.A.; Roberts, W.M.; Look, A.T.
J. Biol. Chem. 266, 11999-12007, 1991
A:Title: Separate promoters control transcription of the human aminopeptidase N gene in
A:Reference number: I39442; MUID:91268079
A:Accession: I39442
A:Molecule type: DNA
A:Residues: 1-15 <RES>
A:Cross-references: GB:M55522; NID:g178532; PIDN:AAA83399.1; PID:g178533
R:Nunez, L.; Amigo, L.; Rigotti, A.; Pugliesi, L.; Mingrone, G.; Greco, A.V.; Nervi, F.
FEBS Lett. 329, 84-88, 1993
A:Title: Cholesterol crystallization-promoting activity of aminopeptidase-N isolated fro
A:Reference number: S35688; MUID:93355071
A:Accession: S35688
A:Molecule type: protein
A:Residues: 2-18 <NUN>
R:Watanabe, Y.; Iwaki-Egawa, S.; Mizukoshi, H.; Fujimoto, Y.
Biol. Chem. Hoppe-Seyler 376, 397-400, 1995
A:Title: Identification of an alanine aminopeptidase in human maternal serum as a membra
A:Reference number: S56098; MUID:96066273
A:Accession: S56098
A:Molecule type: protein
A:Residues: 2-20 <WAT>
A:Accession: S56099
A>Status: preliminary
A:Molecule type: protein
A:Residues: 70-77, 'X', '79-81 <WAZ>
C:Genetics:
A:Gene: GDB:ANPEP; CD13; PEPN
A:Cross-references: GDB:118728; OMIM:151530
A:Map position: 15q25-15q26
C:Superfamily: membrane alanyl aminopeptidase
C:Keywords: aminopeptidase; glycoprotein; transmembrane protein

Query Match 100.0%; Score 1278; DB 2; Length 967;
Best Local Similarity 100.0%; Pred. No. 4e-98;
Matches 239; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LPTFRNNTNNRTEIPENLMDQYSEVNAISTACSNVPECEMVSGLFKQNMENNNMPI 60
|||||
DB 729 LPTFRNNTNNRTEIPENLMDQYSEVNAISTACSNVPECEMVSGLFKQNMENNNMPI 788
|||||
QY 61 HPNLRSTVCNAIOGGEEWDFAWQFRNATLVNEADKLRALACSKELWILNRYLSYT 120
|||||
789 HPNLRSTVCNAIOGGEEWDFAWQFRNATLVNEADKLRALACSKELWILNRYLSYT 848
|||||

QY 121 LNPDLIRKQDATSTIITNNVIGQGLVWDFVQSNWKKLFNDYGGGSPFNLQAVTRR 180
|||||
DB 849 LNPDLIRKQDATSTIITNNVIGQGLVWDFVQSNWKKLFNDYGGGSPFNLQAVTRR 908
|||||
QY 181 FSTEYELQQLBQFKKDNEETGFGSGTRALEQALEKTKANIKWVKENKEVVLQWFTENSK 239
|||||
DB 909 FSTEYELQQLBQFKKDNEETGFGSGTRALEQALEKTKANIKWVKENKEVVLQWFTENSK 967
|||||

RESULT 2